The documentation and process conversion measures necessary to comply with this amendment shall be completed by 6 August 2002.

PERFORMANCE SPECIFICATION

SEMICONDUCTOR DEVICE, FIELD EFFECT RADIATION HARDENED
(TOTAL DOSE AND SINGLE EVENT EFFECTS)
TRANSISTOR, N-CHANNEL, SILICON TYPES 2N7468U2 AND 2N7469U2
JANTXVR, F, G, AND H, AND JANSR, F, G, AND H

This amendment forms a part of MIL-PRF-19500/673, dated 9 March 2001 and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

*1.3, column P_T (1) T_A = +25°C, delete "(1)".

*FIGURE 1, delete dimension table and substitute,

"

Symbol	Dimensions			
	Inches		MIllimeters	
	Min	Max	Min	Max
BL	.685	.695	17.0	17.65
BW	.520	.530	13.21	13.46
CH		.142		3.60
LH	.010	.020	0.26	0.50
LW1	.435	.445	11.05	11.30
LW2	.135	.145	3.43	3.68
LL1	.470	.480	11.94	12.19
LL2	.152	.162	3.86	4.11
LS1	.240 BSC		6.10 BSC	
LS2	.120 BSC		3.05 BSC	
Q1	.035		0.89	
Q2	.050		1.27	
TERM 1	Drain			
TERM 2	Gate			
TERM 3	Source			

"

PAGE 8

4.5.2, second sentence, delete "$R_{\theta JC} = 0.42°C/W$" substitute "$R_{\theta JC} = 0.50°C/W$".

4.5.2b, delete "13.33 A" and substitute "13.88 A".

4.5.2d, delete "15 V" and substitute "12 V".

4.5.3b, delete "13.33 A" and substitute "13.88 A".

4.5.3d, delete "15 V" and substitute "12 V".

PAGE 9

TABLE I, subgroup 2, thermal impedance, method 3161, minimum limits, delete "0.37" substitute "0.38" in maximum limit column.

PAGE 12

TABLE I, subgroup 2, V, conditions, delete "$I_D = I_{D1}$" and substitute with "$I_D = I_{D2}$".

PAGE 14

TABLE III, subgroup 7, electrical measurements, LET = 37 MeV-cm^2/mg, insitu bias conditions, delete the conditions "VDS = 60V & VGS = -20V and VDS = 100V & VGS = -20V" and substitute "VDS = 60V & VGS = -15V, VDS = 40V & VGS = -20V and VDS = 100V & VGS = -20V".

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FIGURE 2, delete and substitute:

"
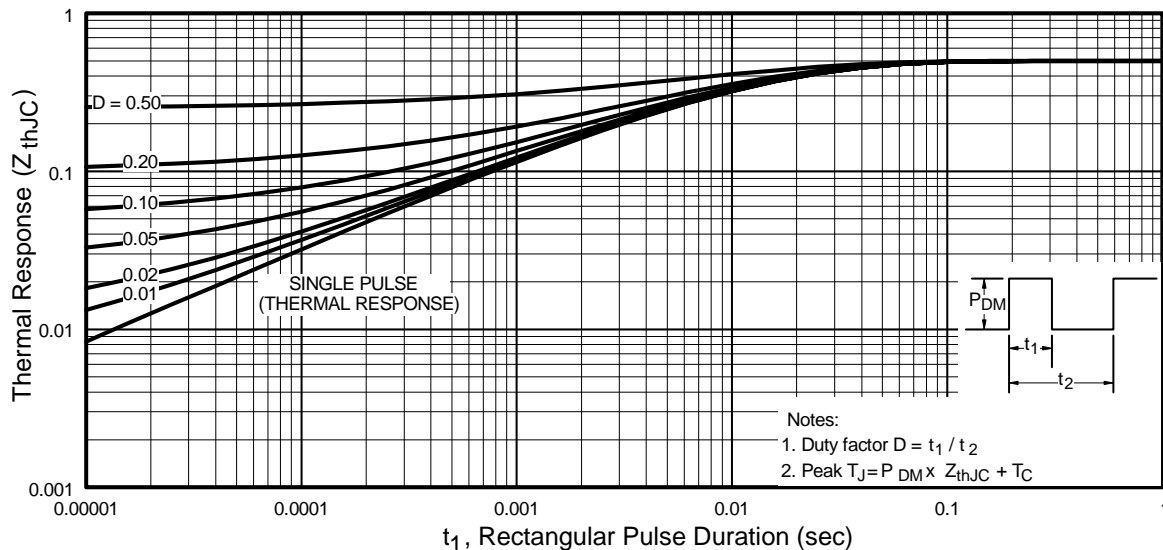
FIGURE 2. Thermal response curve. "

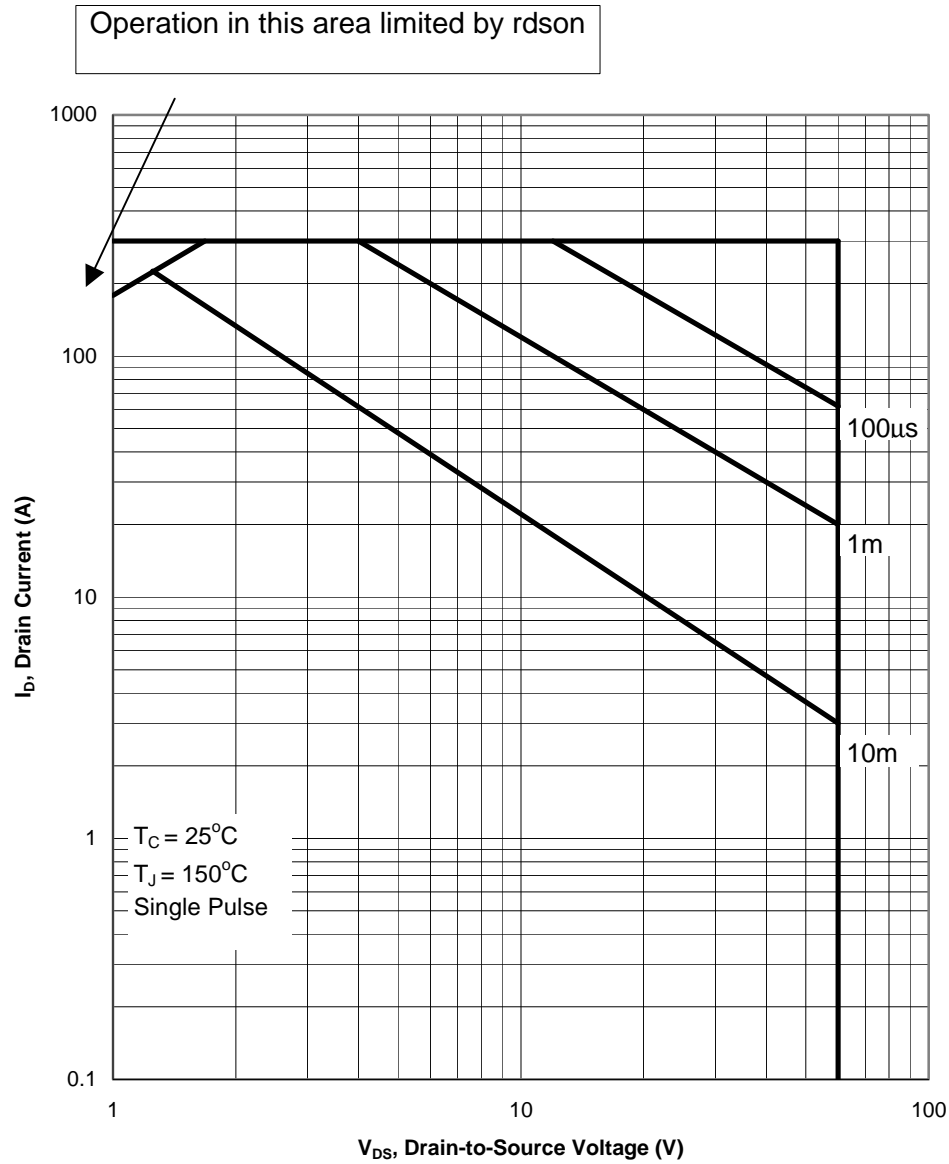FIGURE 3, delete and substitute:
"

Operation in this area limited by rdson

FIGURE 3. Safe operating area graph. "

FIGURE 4, delete and substitute:
"

Operation in this area limited by rdson

$T_C = 25^oC$
$T_J = 150^oC$
Single Pulse

I_D, Drain Current (A)

V_{DS}, Drain-to-Source Voltage (V)
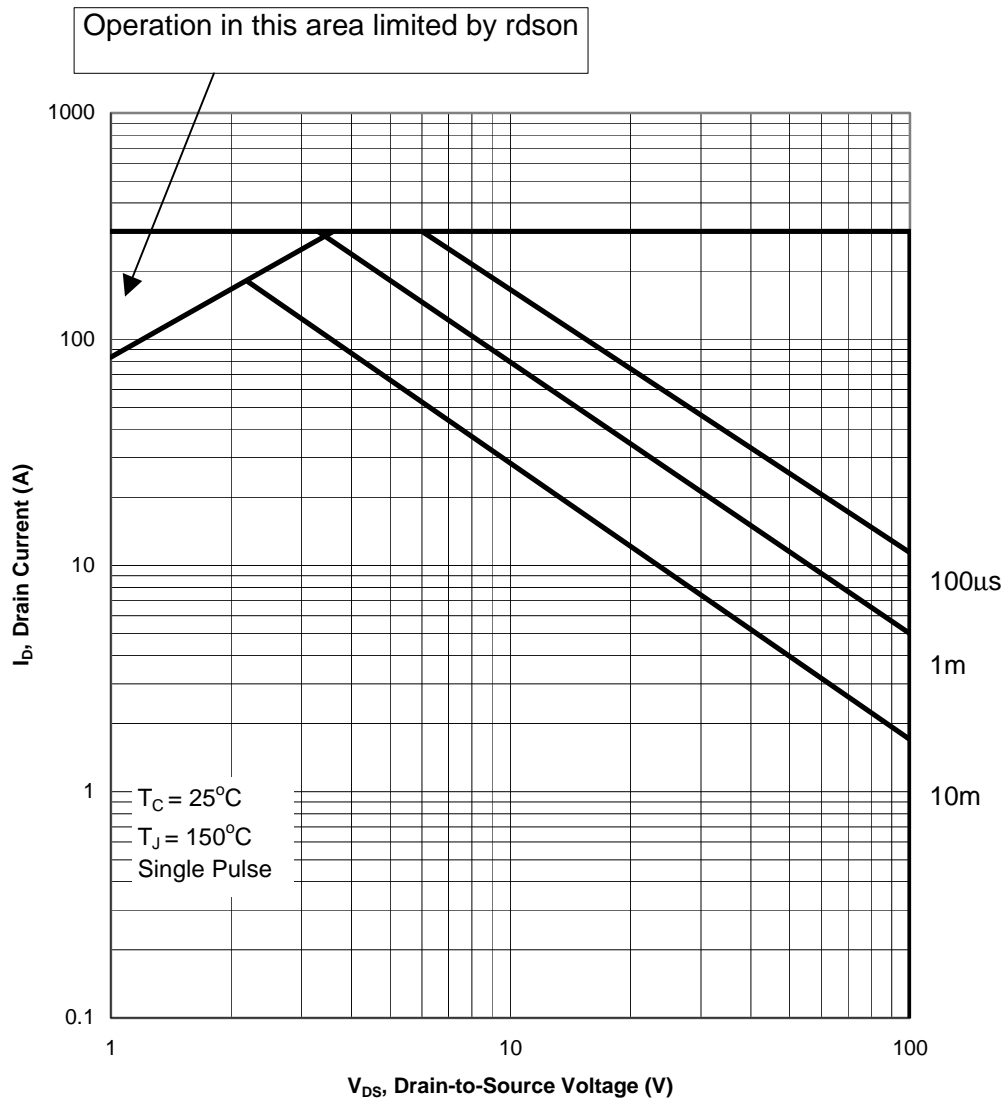
100µs

1m

10m

FIGURE 4. Safe operating area graph. "

PAGE 18

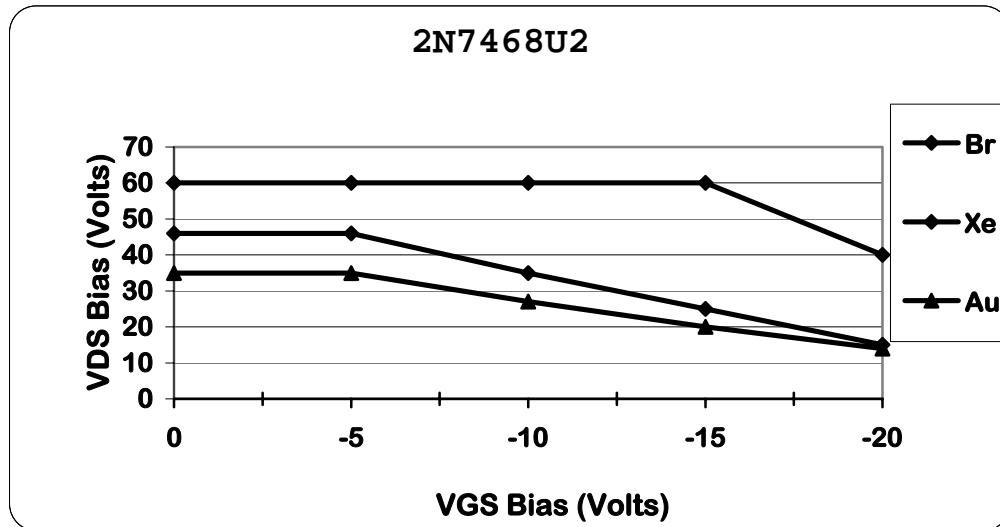FIGURE 5, delete and substitute:
"

2N7468U2

FIGURE 5. SEE safe operating area graph. "

The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:
    Army - CR
    Navy - EC
    Air Force - 11
    NASA - NA
    DLA - CC

Review activities:
    Air Force - 71, 99

Preparing activity:
    DLA - CC

(Project 5961-2586)